



SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS Page 1 of 4	Application Number	10/816,358
	Filing Date	March 31, 2004
	First Named Inventor	Edward K. Y. Jung
	Group Art Unit	To be assigned 2142
	Examiner Name	To be Assigned Survival
Attorney Docket Number		0104-003-003-000000

U.S. PATENT DOCUMENTS				
Examiner Initials	Cite No.	U.S. Patent Number	Name of Patentee	Date of Publication (MM-DD-YYYY)
	AA			

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Country	Date of Publication (MM-DD-YYYY)	English Translation Provided?
	AB				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AC	BERKELY WEBS: WIRELESS EMBEDDED SYSTEMS, "Building Sensor Networks with TinyOS" May 5, 2003 Mobisys Tutorial, San Francisco Powerpoint Presentation, Culler, David; Levis, Phil; Szewczyk, Rob; Polastre, Joe; pp. 1-41 located at http://webs.cs.berkeley.edu , printed on 04/15/04.
	AD	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Publications", pp. 1-3, located at http://webs.cs.berkeley.edu/publications.html , printed on 04/12/04
	AE	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS a component-based OS for the networked sensor regime", "Latest News", pp. 1-2 located at http://webs.cs.berkeley.edu/tos/ , printed on 01/27/04.
	AF	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS a component-based OS for the networked sensor regime", "Publications/Presentations", pp. 1-3 located at http://www.tinyos.net/media.html , printed on 04/13/04.
	AG	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS a component-based OS for the networked sensor regime", "Related UC Berkeley Work", pp. 1-9 located at http://webs.cs.berkeley.edu/tos/related.html , printed on 01/27/04.
	AH	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS Tutorial Index", pp. 1-2 located at http://webs.cs.berkeley.edu/tos/tinyos-1.x/doc/tutorial/index.html , printed on 04/15/04.
	AI	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS Tutorial Lesson 8: Data Logging Application", pp. 1-4 located at http://webs.cs.berkeley.edu/tos/tinyos-1.x/doc/tutorial/lesson8.html , printed on 04/15/04.
OS	AJ	CENTER FOR THE BUILT ENVIRONMENT, "XYZ On A Chip: Integrated Wireless Sensor Networks for the Control of the Indoor Environment in Buildings" pp. 1-2, located at http://www.cbe.berkeley.edu/research/briefs-wirelessxyz.htm , bearing a date of 2002, printed on 01/27/04.

Examiner Signature	<i>Reuven</i>	Date Considered	8/9/07
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Page 2 of 4	Attorney Docket Number	0104-003-003-000000

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
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OS	AK	CITRIS, "Brainy Buildings Conserve Energy" p. 1-3 located at http://www.citris.berkeley.edu/applications/energy/smartbuildings.html , printed on 01/27/04.
	AL	CITRIS, "The Real World as One Giant Database" pp. 1-3 located at http://www.citris.berkeley.edu/newsletter/2003_Newsletters/december_2003/feature.htm , bearing a date of 2003, printed on 04/09/04.
	AM	"Data Repository", University of California Berkeley, located at http://localization.millennium.berkeley.edu/data_repository.html , pp. 1 of 1, bearing a date of 2001, printed on 04/07/04.
	AN	GELSINGER, PAT; Intel.com, "Expanding Moore's Law with Convergence" pp. 1-4 located at http://www.intel.com/labs/features/em101031.htm , printed on 04/09/04.
	AO	INTEL.COM, "New Computing Frontiers-The Wireless Vineyard" pp. 1-4 located at http://www.intel.com/labs/features/rs01031.htm , printed on 04/07/04.
	AP	ISIS NEST: Institute For Software Integrated Systems; "NEST Home: Network Embedded Systems Technology", pp. 1-2, located at http://www.isis.vanderbilt.edu/projects.nest/index.html , printed on 04/14/04.
	AQ	ISIS NEST: Institute For Software Integrated Systems; "Applications: Shooter Localizations", pp. 1-5, located at http://www.isis.vanderbilt.edu/projects.nest/applications.html , printed on 04/14/04.
	AR	ISIS NEST: Institute For Software Integrated Systems; "Middleware: Next Middleware Services", pp. 1 of 1, located at http://www.isis.vanderbilt.edu/projects.nest/middleware.html , printed on 04/14/04.
	AS	ISIS NEST: Institute For Software Integrated Systems; "Tools: NEST Tools", pp. 1 of 1, located at http://www.isis.vanderbilt.edu/projects.nest/tools.html , printed on 04/14/04.
	AT	ISIS NEST: Institute For Software Integrated Systems; "Documents: NEST Documents", pp. 1-2, located at http://www.isis.vanderbilt.edu/projects.nest/documents.html , printed on 04/14/04.
	AU	ISIS NEST: Institute For Software Integrated Systems; "Download: NEST Download", pp. 1-2, located at http://www.isis.vanderbilt.edu/projects.nest/download.html , printed on 04/14/04.
	AV	ISIS NEST: Institute For Software Integrated Systems; "People: The NEST Group", pp. 1 of 1, located at http://www.isis.vanderbilt.edu/projects.nest/people.html , printed on 04/14/04.
OS	AW	JOHNSON, R. COLIN, "Companies test prototype wireless-sensor nets" EE Times, pp. 1-3, printable version of article located at http://www.eet.com/article/showArticle.jhtml?articleID=9900910 , bearing a date of 01/29/03, printed on 01/27/04.

Examiner Signature	<i>Rui</i>	Date Considered	8/9/07
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Page 3 of 4		Attorney Docket Number	0104-003-003-000000
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OS	AX	KAHN, KEVIN C.; CULLER, DAVID E.; "Ad Hoc Sensor Networks A New Frontier for Computing Applications" bearing a date of April 2002, printed on 04/09/04.	
	AY	KLING, RALPH, "Intel® Research Mote" pp. 1-13, Powerpoint Presentation, located at http://webs.cs.berkeley.edu/retreat-1-03/slides/imote-nest-q103-03-dist.pdf , Intel Corporation Research, Santa Clara, CA, printed on 04/13/04.	
	AZ	LEVIS, PHILIP; CULLER, DAVID; "Maté: A Tiny Virtual Machine for Sensor Networks", pp. 1-11, printed on 04/12/04	
	BA	LEVIS, PHILIP; MADDEN, SAM; GAY, DAVID; POLASTRE, JOSEPH; SZEWCZYK, ROBERT; WOO, ALEC; BREWER, ERIC; CULLER, DAVID; "The Emergence of Networking Abstractions and Techniques in TinyOS" pp. 1-14, printed on 04/13/04.	
	BB	LEVIS, PHILIP; PATEL, NEIL; CULLER, DAVID; SHENKER, SCOTT; "Trickle: A Self-Regulating Algorithm for Code Propagation and Maintenance in Wireless Sensor Networks", printed on 04/13/04.	
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	BD	"LOCALIZATION Distributed Embedded Systems" UCLA Computer Science 213: Localization Systems Powerpoint Presentation, pp. 1-61, bearing a course name of: CS 213/Estrin/Winter 2003, bearing a speaker name of: Lewis Girod, bearing a date of 02/04/03, printed on 03/15/04.	
	BE	"Localization.Millennium.Berkeley.Edu", University of California Berkeley, located at http://localization.millennium.berkeley.edu/introduction.html , pp. 1 of 1, bearing a date of 2001, printed on 04/07/04.	
	BF	"Localization Standards", University of California Berkeley, located at http://localization.millennium.berkeley.edu/localization_standards.html , pp. 1 of 1, bearing a date of 2001, printed on 04/07/04.	
	BG	MARÓTI, MIKLÓS; VÖLGYESI, PÉTER; SIMON, GYULA; KARSAL, GÁBOR; LÉDECZI, AKOS; "Distributed Middleware Services Composition and Synthesis Technology"; pp. 1-8, IEEE, bearing a date of 2002, printed on 04/14/04.	
	BH	PESCOVITZ, DAVID, "Robugs: Smart Dust Has Legs" pp. 1-2, located at http://www.coe.berkeley.edu/labnotes/0903/pister_print.html , bearing a date of September 2003, printed on 04/09/04.	
	BI	RAGHUNATHAN, VIJAY; SCHURGERS, CURT; PARK, SUNG; SRIVASTAVA, MANI B.; "Energy Aware Wireless Sensor Networks" pp. 1-17; Department of Electrical Engineering, University of California, Los Angeles; printed on 03/15/04.	
OS	BJ	SAVVIDES, ANDREAS; "Hardware", pp. 1-3, located at http://nesl.ee.ucla.edu/projects/ahlos/hardware.htm , Networks and Embedded Systems Lab, University of California, Los Angeles; bearing a date of 01/18/03, printed on 02/23/04.	
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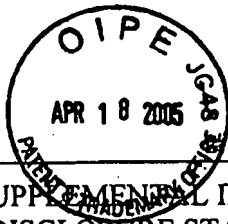
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		Group Art Unit	To be Assigned 2142
		Examiner Name	To be Assigned <i>Survillo</i>
Page 4 of 4		Attorney Docket Number	0104-003-003-000000
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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<i>OS</i>	BK	SAVVIDES, ANDREAS; "Localization Forum", pp. 1 of 1, located at http://nesl.ee.ucla.edu/projects/ahlos/localization_forum.htm , Networks and Embedded Systems Lab, University of California, Los Angeles; bearing a date of 12/24/03, printed on 02/23/04.	
<i>OS</i>	BL	"The Ad-Hoc Localization System (AHLs)" Networks and Embedded Systems Lab, University of California, Los Angeles; located at http://nesl.ee.ucla.edu/projects/ahlos/Default.htm , pp. 1-4, printed on 02/23/04.	
<i>OS</i>	BM	"Tiny DB A Declarative Database for Sensor Networks" pp. 1-2, located at http://telegraph.cs.berkeley.edu/tinydb/ printed on 04/09/04.	
<i>OS</i>	BN	TINY SEC: LINK LAYER SECURITY FOR TINY DEVICES, "Calamari: A localization system for sensor networks", pp. 1-6, located at http://www.cs.berkeley.edu/~kamin/calamari/ printed on 04/12/04.	
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Examiner Signature	<i>Survillo</i>	Date Considered	8/9/07
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Examiner Name	To be Assigned Survi 110
Attorney Docket Number	0104-003-003-000000

Page 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Number	Name of Patentee	Date of Publication (MM-DD-YYYY)
	AA			
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Country	Date of Publication (MM-DD-YYYY)	English Translation Provided?
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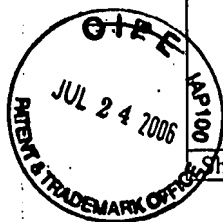
NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page number(s), volume-issue number(s), publisher, city and/or country where published.
OS	AL	ZHAO, FENG; GUIBAS, LEONIDAS J.; <u>Wireless Sensor Networks: An Information Processing Approach</u> . San Francisco: Morgan Kaufmann Publishers-Elsevier Inc., bearing a copyright date of 2004.
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Substitute for form 1449A/PTO		Application Number	10/816,358
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		Examiner Name	To Be Assigned Survillo
Sheet 1 of 1	Attorney Docket Number		0104-003-003-000000

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Examiner Initials	Cite No. ¹	U.S. Patent Number Number-Kind Code ² (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
OS	AA	6,778,844 B2	08-17-2004	Hood, III, Charles D.
	AB			
	AC			

U.S. PATENT APPLICATION DOCUMENTS				
Examiner Initials	Cite No. ¹	U.S. Patent Application Publication Number Number-Kind Code ² (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
OS	AD	2005/0143133 A1	06-30-2005	Bridgelall, Raj
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Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	T ⁶
	AG				
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NON PATENT LITERATURE DOCUMENTS		
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

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Substitute for form 1449A/PTO		Application Number	10/816,358
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		Examiner Name	To Be Assigned Survillo
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	AJ	2004/0008140 A1	01-15-2004	Sengupta et al.
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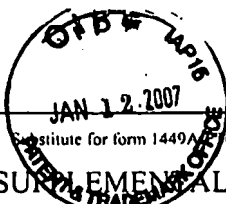
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OS	AQ	ADLER, ROBERT et al.; "Demo Abstract: Intel Mote 2: An Advanced Platform for Demanding Sensor Network Applications"; Intel Corporation; bearing dates of November 2-4, 2005; p. 298; (plus cover sheet)
	AR	DUTTA, PRABAL K. et al.; "System Software Techniques for Low-Power Operation in Wireless Sensor Networks"; Computer Science Division, University of California, Berkeley; bearing a date of 2005; pp. 924 - 931; (plus cover sheet)
	AS	KRAUSE, ANDREAS et al.; "Near-optimal Sensor Placements: Maximizing Information while Minimizing Communication Cost"; bearing dates of April 19-21, 2006; pp. 2 - 10; (plus cover sheets)
	AT	LU, JIE et al.; "User Modeling for Full-Text Federated Search in Peer-to-Peer Networks"; Language Technologies Institute, Carnegie Mellon University; bearing dates of August 6 - 11, 2006; pp. 332 - 339; (plus cover sheet)
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	AV	PCT International Search Report; International App. No.: PCT/US05/11202; 27 September 2006
	AW	RAZEEB, KAFIL M. et al.; "A Hybrid Network of Autonomous Sensor Nodes"; NMRC, University College Cork; bearing dates of November 8 - 10, 2004; pp. 69 - 70; (plus cover sheet)
OS	AX	SHARIFZADEH, MEHDI et al.; "Supporting Spatial Aggregation in Sensor Network Databases*"; Computer Science Department, University of Southern California; bearing dates of November 12 - 13, 2004; pp. 166 - 175; (plus cover sheet)

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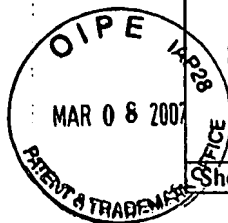
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Substitute for form 1449A/PTO		Application Number	10/816,358
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS (Use as many sheets as necessary)		Filing Date	March 31, 2004
		First Named Inventor	Edward K.Y. Jung
		Group Art Unit	2153 2142
		Examiner Name	To Be Assigned Survillo
Sheet 1 of 2	Attorney Docket Number	0104-003-003-000000	

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Number Number-Kind Code ² (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
OS	AA	7,075,455 B2	07-11-2006	Nishimura et al.
	AB	6,943,747 B2	09-13-2005	Kwon, Do-Hoon
	AC	6,296,205 B1	10-02-2001	Hanson et al.
	AD	5,697,066	12-09-1997	Acampora, Anthony
OS	AE	5,432,519	07-11-1995	Sezai, Toshihiro

U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Application Publication Number Number-Kind Code ² (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
OS	AF	2005/0062653 A1	03-24-2005	Cetiner et al.
	AG	2002/0036595 A1	03-28-2002	Chiang et al.
	AH	10/909,200		Jung et al.
	AI	10/903,692		Jung et al.
	AJ	10/903,652		Jung et al.
	AK	10/900,163		Jung et al.
	AL	10/900,147		Jung et al.
	AM	10/882,119		Jung et al.
	AN	10/877,109		Jung et al.
	AO	10/877,099		Jung et al.
	AP	10/850,914		Jung et al.
	AQ	10/844,614		Jung et al.
	AR	10/844,613		Jung et al.
	AS	10/844,612		Jung et al.
	AT	10/844,564		Jung et al.
OS	AU	10/843,987		Jung et al.

OMB 0651-0031

Examiner Signature	<i>Survillo</i>	Date Considered	8/9/07
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		Filing Date	March 31, 2004
		First Named Inventor	Edward K.Y. Jung
		Group Art Unit	2153 2142
		Examiner Name	To Be Assigned Survillo
Sheet 2 of 2	Attorney Docket Number	0104-003-003-000000	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AD	PCT International Search Report; International App. No.: PCT/US05/10054; 01 December 2006

OMB 0651-0031

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(Use as many sheets as necessary)

Sheet	1	of	1	Application Number	10/816,358
				Filing Date	March 31, 2004
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U.S. PATENT DOCUMENTS

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OS	AA	7,034,740 B2	04-25-2006	Witten, Alan
OS	AB	5,960,214	09-28-1999	Sharpe, Jr. et al.

U.S. PATENT APPLICATION DOCUMENTS

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	AD			

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OS	AE	PCT International Search Report; International App. No.: PCT/US05/11203; 09 February 2007

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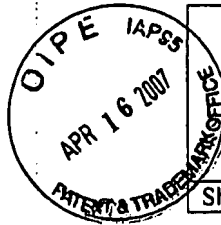
Examiner Signature	<i>Survillo</i>	Date Considered	8/9/07
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Substitute for Form 1449A/PTO		Application Number	10/816,358
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS (Use as many sheets as necessary)		Filing Date	March 31, 2004
		First Named Inventor	Edward K.Y. Jung
		Group Art Unit	2153 2142
		Examiner Name	To Be Assigned Survillo
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	AA			
	AB			

U.S. PATENT APPLICATION DOCUMENTS				
Examiner Initials [*]	Cite No. ¹	U.S. Patent Application Publication Number Number-Kind Code ² (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
OS	AC	2004/0249563 A1	12-09-2004	Otsuki et al.
	AD			

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Sheet 1 of 1

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OS	AA	LU, JIE; CALLAN, JAMIE; "Content-Based Retrieval In Hybrid Peer-To-Peer Networks"; CIKM'03; bearing dates of November 3-8, 2003; ACM

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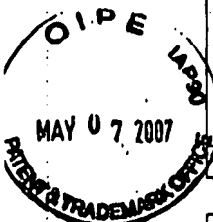
Examiner Signature		Date Considered	8/9/07
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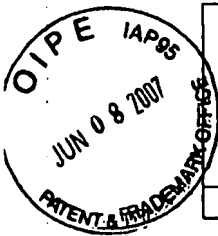
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Substitute for form 1449A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS (Use as many sheets as necessary)	Application Number	10/816,358
	Filing Date	March 31, 2004
	First Named Inventor	Edward K.Y. Jung
	Group Art Unit	2453 2142
	Examiner Name	To Be Assigned Survillo
Sheet 1 of 1	Attorney Docket Number	0104-003-003-000000

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Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AA	CULLER, DAVID; ESTRIN, DEBORAH; SRIVASTAVA, MANI; "Overview Of Sensor Networks"; Computer; August 2004; pp. 41-49; Vol. 37; No. 8; IEEE Computer Society

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OS	AA	5,581,694	12-03-1996	Iverson et al.
	AB			

U.S. PATENT APPLICATION DOCUMENTS

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OS	AC	2006/0224434 A1	10-05-2006	Rumi et al.
OS	AD	2006/0212570 A1	09-21-2006	Aritsuka et al.

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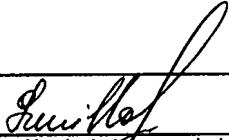




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OS	AA	CULLER, DAVID E.; MULDER, HANS; "Smart Sensors To Network The World"; Scientific American; printed on June 26, 2007; pp. 1-10; http://www.intel.com/research/exploratory/smartnetworks.htm
	AB	FALL, KEVIN; "A Delay-Tolerant Network Architecture For Challenged Internets"; Intel Research Berkeley; February 26, 2003; pp. 1-14; ACM Press
	AC	GOVINDAN, RAMESH; KOHLER, EDDIE; ESTRIN, DEBORAH; BIAN, FANG; CHINTALAPUDI, KRISHNA; GNAWALI, OM; GUMMADI, RAMAKRISHNA; RANGWALA, SUMIT; STATHOPOULOS, THANOS; "Tenet: An Architecture For Tiered Embedded Networks"; pp. 1-8
OS	AD	STATHOPOULOS, THANOS; GIROD, LEWIS; HEIDEMANN, JOHN; ESTRIN, DEBORAH; "More Herding For Tiered Wireless Sensor Networks"; Center For Embedded Networked Sensing; pp. 1-14; UCLA, Department Of Computer Science / USC, Information Sciences Institute

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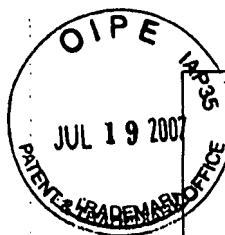
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OS	AA	LU, JIE; CALLAN, JAMIE; "Content-Based Retrieval In Hybrid Peer-To-Peer Networks"; Information Retrieval Session 4: General Retrieval Issues; 2003; pp. 199-206; ACM Press
OS	AB	PCT International Search Report; International App. No.: PCT/US05/10843; 29 March 2005

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Page 1 of 2	Attorney Docket Number	0104-003-003-000000

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	Filing Date	March 31, 2004
	First Named Inventor	Edward K. Y. Jung
	Group Art Unit	To be Assigned 2142
	Examiner Name	To be Assigned Surv 1110
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